# Additional file 2

The associations between healthcare workers' safety attitudes and safety behaviors at their hospitals were examined by multiple regression models. Generalized estimation equations (GEE) with independent working correlation structures were used to adjust the potential clustering effects at hospital levels. The five SAQ dimensions (teamwork climate, safety climate, job satisfaction, perception of management, and working conditions) were fitted together as the independent variables, while the six outcome measures (positive=1, otherwise=0) were in binominal distributions with log-link functions in GEE analysis. The results were presented in odds ratios (and 95% confidence interval).

| Safety Behaviors | Safety Attitude Questionnaire (Chinese version) | | | | |
| --- | --- | --- | --- | --- | --- |
| | Teamwork Climate | Safety Climate | Job Satisfaction | Perception of Management | Working Conditions |
| Good collaboration with | | | | | |
| Nurses | 1.759 | 1.478 | 1.781 | 1.772 | 2.026 |
| | (1.653, 1.872) | (1.365, 1.600) | (1.648, 1.926) | (1.637, 1.918) | (1.699, 2.392) |
| Physicians | 1.506 | 1.252 | 1.543 | 1.384 | 1.499 |
| | (1.440, 1.575) | (1.185, 1.323) | (1.460, 1.631) | (1.310, 1.461) | (1.311, 1.702) |
| Pharmacists | 1.149 | 1.211 | 1.263 | 1.334 | 1.777 |
| | (1.112, 1.188) | (1.159, 1.264) | (1.212, 1.316) | (1.277, 1.393) | (1.683, 1.875) |
| Encouraging safety reporting | 1.363 | 2.025 | 1.213 | 2.217 | 2.492 |
| | (1.275, 1.457) | (1.828, 2.243) | (1.122, 1.313) | (2.011, 2.444) | (2.473, 2.513) |
| Prioritizing safety training | 1.391 | 1.871 | 1.265 | 2.341 | 2.447 |
| | (1.312, 1.475) | (1.710, 2.046) | (1.180, 1.356) | (2.140, 2.561) | (2.414, 2.463) |
| Service delay by communication breakdowns | 0.935 | 0.984 | 0.994 | 0.996 | 0.992 |
| | (0.919, 0.950) | (0.941, 1.011) | (0.982, 1.013) | (0.987, 1.024) | (0.981, 1.009) |